



---

## **SAFE STREETS BOULDER: TOWARD VISION ZERO SAFETY INITIATIVES**

TRANSPORTATION ADVISORY BOARD 6/12/17

# Toward Vision Zero

---

- 2014 TMP added **Toward Vision Zero** safety objective
- City's ultimate goal is to strive toward zero serious injury and fatal collisions
- Safe Streets Boulder Report



# Safe Streets Boulder Report - Vision Zero Action Plan

---



**Education**



**Enforcement**



**Engineering**



**Evaluation**

# Toward Vision Zero

## New: Highlight Topics

---

- 4 E's Overview
- Traffic Signal Practices Documentation – purpose, scope and timeline
- National research related to distracted and impaired driving
- TVZ story mapping overview/examples



# Overall: Current & Upcoming Work

---

- Continue implementation of Toward Vision Zero safety initiatives
- TVZ Community Partnership Committee
  - next meeting July 26<sup>th</sup>
    - on going bi-monthly meetings
    - Scoping for distracted and impaired outreach
    - Coordination with Boulder County
    - Coordination with Cyclists for Community (C4C)
- Low-Stress Multimodal Network Analysis –
  - Coordination with People for Bikes (more in July)
- Pedestrian Plan Update – Assessment/Scoping phase – begin 2<sup>nd</sup> quarter 2017





# Education

---

- Distracted and impaired social media outreach—**ongoing**
- BikeLife Magazine - **mid June**
- Safety education integration with Walk and Bike Month programs/events - **June**
- Heads Up Campaign — **August**
- Way of the Path signing project — **summer/fall**





# Enforcement

---

- Bi-monthly coordination with Transportation and Police Dept. – ongoing
- Tracking safety-related legislation
  - distracted driving
  - autonomous vehicles
  - Rolling Coal
- TVZ/Safe Streets traffic officer staff briefings – Summer 2017





# Engineering

---

- Conversion of left-turn signal heads to flashing yellow arrow and red arrow – in progress
- Installation of green markings – in progress
- Determine intersection improvements for Colorado and Regent through the Colorado and 30<sup>th</sup> Street Complete Streets Project – in progress
- Determine new photo red light implementation locations including Diagonal Highway at 47<sup>th</sup> Street – in progress







# Evaluation: Current & Upcoming Work

---

- Working with Police and Information Services to improve accuracy of crash data received – **in progress**
- Close call monitoring to determine potential trends through community feedback – **ongoing**
- Continuous improvement – **prep for 2018**  
**Transportation Report on Progress and next update of Safe Streets Boulder Report**





# Traffic Signal Practices Documentation

## **Purpose, Scope and Timeline**

---

Purpose: To ensure that our traffic signal practices are in support of all of our TMP goals, including the TVZ safety objective and efficient, sustainable multimodal transportation.

### Key Project Steps

- Develop goals, objectives and evaluation criteria
- Document existing traffic signal practices
- Research and consider “best practices” from peer communities
- Solicit input from the public
- Identify and document appropriate modifications to traffic signal practices





# Traffic Signal Practices Documentation Purpose, **Scope** and Timeline

---

## Categories of signal practices:

- Determination of Need (identification of appropriate locations for new signal installations)
- Design (how signals are constructed)
- Operation (how signals are operated)
- Maintenance (scheduled activities and emergency response)

\* The prioritized focus of this initial work effort will be signal operation practices; other categories and implementation of identified operational changes will commence in 2018





# Traffic Signal Practices Documentation Purpose, Scope and **Timeline**

Milestone	Description	Date
Administer electronic public questionnaire	Identify what preferences, concerns and/or information the public needs/desires concerning Boulder's traffic signal practices.	June
Boulder traffic signal practices draft document	Document current traffic signal practices. Provide comparison with practices utilized by national peer cities.	July
Host public meeting	Present key themes and differences between current and national best practices and obtain feedback.	August
Boulder traffic signal practices revised draft document	Develop draft document including implementation plan for identified practice changes.	October
Transportation Advisory Board meeting	Present draft traffic signal practices document and implementation plan.	November
Boulder traffic signal practices final document	Finalize document and implementation plan.	December





# Distracted/Impaired Driving

---

## ■ Research Methodology

- Conduct research in all 50 states and identify current and new nation-wide laws, penalties and enforcement tactics to combat distracted and alcohol-impaired driving.
- Literature Review: research case studies on how effective has distracted and alcohol-impaired driving laws, penalties and enforcement tactics have been in reducing distracted driving behavior and reducing alcohol-impaired related fatalities?





# Distracted/Impaired Driving

---

- **Key Findings for Distracted Driving laws**
  - 46 states, including Colorado, have laws that ban texting and driving.
  - **Of these 46 states, 5 states including Colorado, engage in *secondary* enforcement of the law.**
  - 38 states, including Colorado, ban all cell-phone use by teenage drivers.
  - **14 States now ban hand-held phone use altogether. Colorado is not one of these states.**
  - Texting and driving statistics are compared against a state's overall fatality rate. This is because of low reliability connecting traffic accidents to cell-phone use.





# Distracted/Impaired Driving

---

- Distracted Driving Research – Literature Review
  - Texting ban has been linked to a **2.3% decrease in overall traffic fatalities nationwide.**
  - Banning teen drivers from texting reduces traffic deaths in that group by 11%.
  - Primary bans lead to a 3% reduction in traffic deaths. Secondary laws such as Colorado's are less effective, and weigh down the national average.
  - **Banning *all* hand-held devices reduces more traffic deaths for people aged 22-64 than a texting ban alone. Colorado does not ban hand-held use.**





# Distracted/Impaired Driving

---

- **Key Findings for Impaired Driving Laws**
  - All states, except Utah, define driving with a blood alcohol concentration (BAC) at or above 0.08 percent as a crime
  - **48 states including Colorado have increased penalties for drivers convicted at higher BAC's**
  - 40 states including Colorado can automatically suspend the license of someone arrested for DUI, before any court involvement
  - **All states have some type of ignition interlock device program**







# Distracted/Impaired Driving

---

- Impaired Driving Research – Literature Review
  - Well implemented and publicized checkpoint programs reduce alcohol-related fatal and injury crashes by about 20 percent.
  - An evaluation review of Austin's Police Department DWI Enforcement Team found that having a specialized driving while impaired (DWI) enforcement team that targets impaired drivers every day of the week has been responsible for increases in the number of DWI arrests and a 10% increase in the DWI conviction rate.





# Distracted/Impaired Driving

---

## ■ Next Steps

- Review research with TVZ Community Partnership Committee
- Review with city and county legal staff
- Based on input, proceed with drafting potential recommendations/suggestions for further exploration:
  - Local
  - Regional
  - State





# Toward Vision Zero Story Mapping

---

Brief overview provided by  
Oscar Saucedo-Andrade



# Upcoming Topics for TAB

---

- Distracted and impaired driving, bicycling, and walking outreach and potential approaches - July
- Low Stress Multimodal Network Analysis – scope and timeline – July
- Pedestrian Plan Update – scope and timeline – August



## Staff Contacts:

Kathleen Bracke

[brackek@bouldercolorado.gov](mailto:brackek@bouldercolorado.gov)

Bill Covern

[covernb@bouldercolorado.gov](mailto:covernb@bouldercolorado.gov)

Joe Paulson

[paulsonj@bouldercolorado.gov](mailto:paulsonj@bouldercolorado.gov)

Dave Kemp

[kempd@bouldercolorado.gov](mailto:kempd@bouldercolorado.gov)

# Questions?



**BoulderSafeStreets.com**



---

## **BACK UP SLIDES**

TRANSPORTATION ADVISORY BOARD 2/13/17

# Lucky's North Driveway





# Lucky's North Driveway





# Lucky's South Driveway



# Basemar Shopping – west driveway



# HSIP Grant Projects

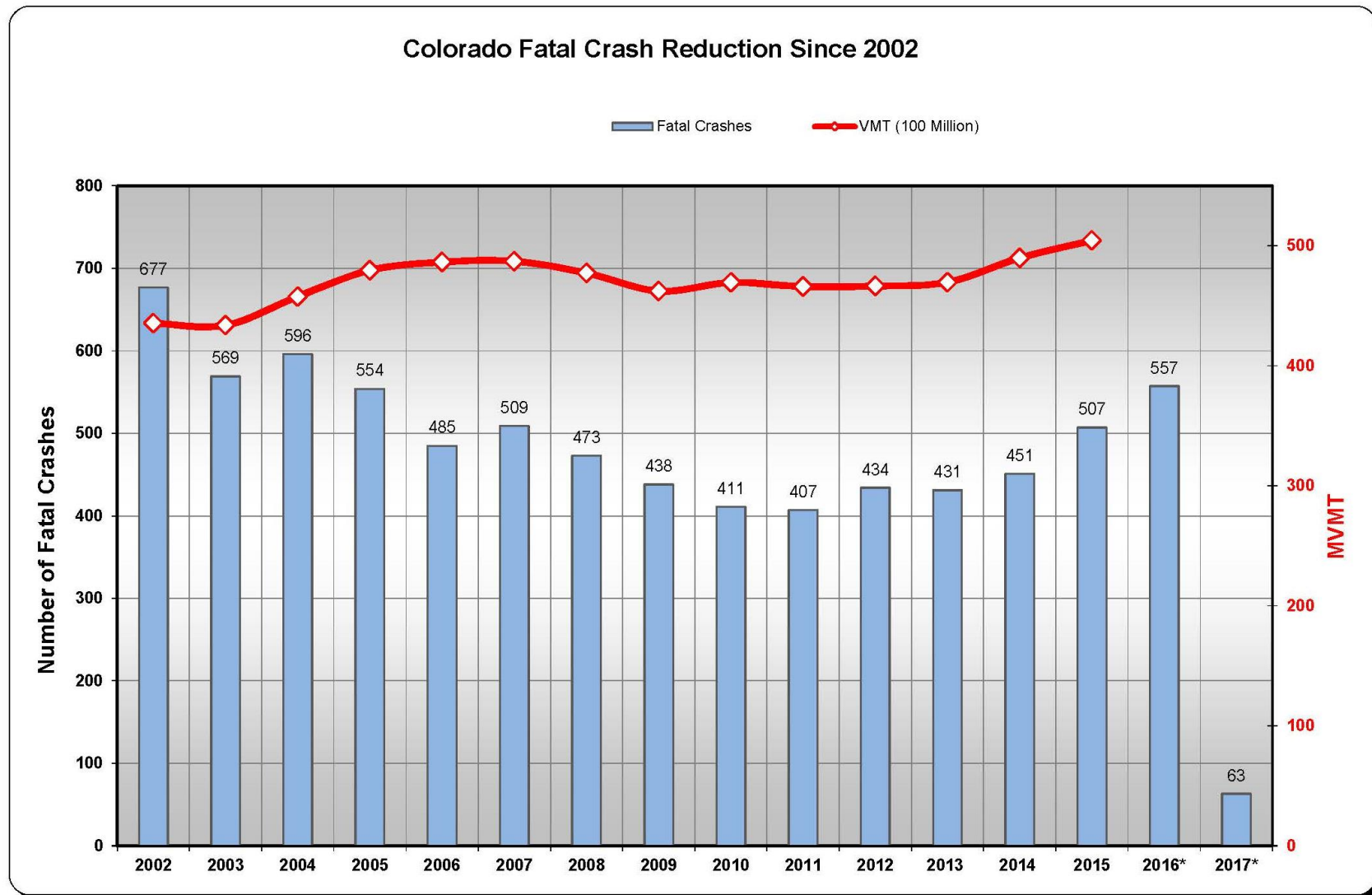
---

- \$730,000 in Highway Safety Improvement Program Funds for intersection improvements at:
  - Colorado and Regent - \$319,500
  - Baseline and 29<sup>th</sup> - \$72,000
  - Broadway and Rayleigh - \$338,400





## Colorado Historical Fatal Crash Trends - Updated 3/6/2017



\* Note: Data is preliminary as of release of this Report!

Source of Data: Colorado DOT & "As Reported" to NHTSA by FARS